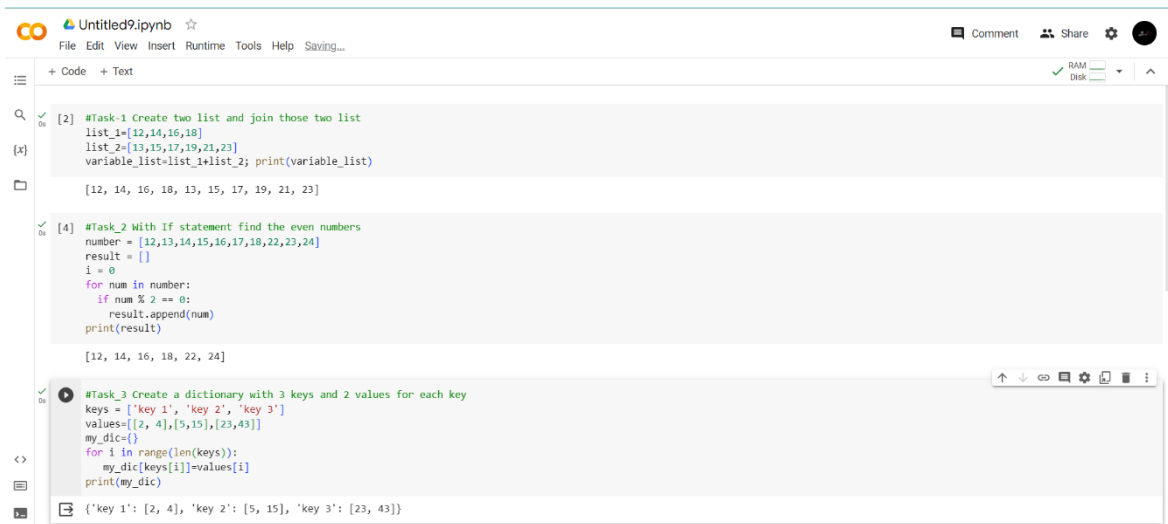


DATA ANALYTICS

ASSIGNMENT-4

NAME:SHALINI V



The screenshot shows a Jupyter Notebook titled 'Untitled9.ipynb'. The interface includes a top menu bar with options like File, Edit, View, Insert, Runtime, Tools, Help, and Saving... On the left, there are icons for file operations, search, and a variable inspector. The main area contains three code cells, each with a task description and Python code. The first cell concatenates two lists. The second cell filters even numbers from a list. The third cell creates a dictionary from two lists. Each cell has a 'Run' button (a play icon) and a status indicator (a checkmark or error icon). The output of each cell is displayed below the code.

```
#Task-1 Create two list and join those two list
list_1=[12,14,16,18]
list_2=[13,15,17,19,21,23]
variable_list=list_1+list_2; print(variable_list)

[12, 14, 16, 18, 13, 15, 17, 19, 21, 23]
```

```
#Task_2 With If statement find the even numbers
number = [12,13,14,15,16,17,18,22,23,24]
result = []
i = 0
for num in number:
    if num % 2 == 0:
        result.append(num)
print(result)

[12, 14, 16, 18, 22, 24]
```

```
#Task_3 Create a dictionary with 3 keys and 2 values for each key
keys = ['key 1', 'key 2', 'key 3']
values=[2, 4],[5,15],[23,43]
my_dic={}
for i in range(len(keys)):
    my_dic[keys[i]]=values[i]
print(my_dic)

{'key 1': [2, 4], 'key 2': [5, 15], 'key 3': [23, 43]}
```

Untitled9.ipynb

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Task 3 Create a dictionary with 3 keys and 2 values for each key

```
keys = ['key 1', 'key 2', 'key 3']
values = [[2, 4], [5, 15], [23, 43]]
my_dic = {}
for i in range(len(keys)):
    my_dic[keys[i]] = values[i]
print(my_dic)
```

```
{'key 1': [2, 4], 'key 2': [5, 15], 'key 3': [23, 43]}
```

Task 4 Create a function with If statement which is user to find the odd numbers

```
numbers = [21, 22, 23, 24, 25, 26, 27, 28, 29]
result = []
for num in numbers:
    if num % 2 != 0:
        result.append(num)
print(result)
```

```
[13, 15, 17, 23]
```

Task 5 Write a python function to sum all the numbers in a list

```
def sum_list(numbers):
    total = sum(numbers)
    return total
my_list = [4, 6, 9, 7, 8]
total = sum_list(my_list)
print(total)
```

Untitled9.ipynb

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Task 3 Create a dictionary with 3 keys and 2 values for each key

```
keys = ['key 1', 'key 2', 'key 3']
values = [[2, 4], [5, 15], [23, 43]]
my_dic = {}
for i in range(len(keys)):
    my_dic[keys[i]] = values[i]
print(my_dic)
```

```
{'key 1': [2, 4], 'key 2': [5, 15], 'key 3': [23, 43]}
```

Task 4 Create a function with If statement which is user to find the odd numbers

```
numbers = [21, 22, 23, 24, 25, 26, 27, 28, 29]
result = []
for num in numbers:
    if num % 2 != 0:
        result.append(num)
print(result)
```

```
[13, 15, 17, 23]
```

Task 5 Write a python function to sum all the numbers in a list

```
def sum_list(numbers):
    total = sum(numbers)
    return total
my_list = [4, 6, 9, 7, 8]
total = sum_list(my_list)
print(total)
```

34